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JUN 03 2002

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

1

of

4

Complete if Known

Application Number	10/039,466
Filing Date	January 3, 2002
First Named Inventor	John D. Dobak, III
Group Art Unit	3739
Examiner Name	Unknown
Attorney Docket Number	051002

U.S. PATENT DOCUMENTS					
Examiner Initials ¹	Cite No. ²	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publications of Cited document MM-DD-YYYY
		Number Code ³	Kind (if known)		
PLD	AA	2,672,032		Towse	03/16/1954
	AB	3,125,096		Antiles et al.	03/17/1964
	AC	3,612,175		Ford et al.	07/01/1969
	AD	4,323,071		Simpson et al.	04/06/1982
	AE	4,745,922		Taylor	05/24/1988
	AF	4,781,799		Herbert, Jr. et al.	11/01/1988
	AG	4,951,677		Crowley et al.	08/28/1990
	AH	5,000,734		Boussignac et al.	03/19/1991
	AI	5,024,668		Peters et al.	06/18/1991
	AJ	5,046,497		Millar	09/10/1991
	AK	5,089,260		Hunter et al.	02/18/1992
	AL	5,112,438		Bowers	05/12/1992
	AM	5,150,706		Cox et al.	09/29/1992
	AN	5,180,364		Ginsburg	01/19/1993
	AO	5,578,008		Hara	11/26/1996
	AP	5,588,438		McKown et al.	12/31/1996
	AQ	5,622,182		Jaffe	04/22/1997
	AR	5,653,692		Masterson et al.	08/05/1997
	AS	5,709,654		Klatz et al.	01/20/1998
	AT	5,733,318		Augustine	03/31/1998
	AU	5,733,319		Neilson et al.	03/31/1998
	AV	5,799,661		Boyd et al.	09/01/1998
	AW	5,735,809		Gorsuch	04/07/1998
	AX	5,800,483		Vought	09/01/1998
	AY	5,800,516		Fine et al.	09/01/1998
	AZ	5,820,593		Safar et al.	10/13/1998
	BA	5,827,269		Saadat	10/27/1998
	BB	5,868,735		Lafonatine	02/09/1999
	BC	5,879,316		Safar et al.	03/09/1999
	BD	5,906,588		Safar et al.	05/25/1999
	BE	5,906,594		Scarfone et al.	05/25/1999
	BF	5,906,636		Casscells, III et al.	05/25/1999
	BG	5,913,856		Chia et al.	06/22/1999
	BH	5,913,885		Klatz et al.	06/22/1999
	BI	5,957,917		Doiron et al.	09/28/1999
	BJ	5,964,751		Amplatz et al.	10/12/1999
	BK	6,007,692		Herbert et al.	12/28/1999

Examiner Signature

D. Korenkevich, D. Bellus

Date Considered

5/30/03

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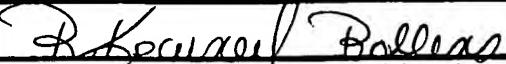
Sheet 2 of 4

Complete if Known

Application Number	10/039,466
Filing Date	January 3, 2002
First Named Inventor	John D. Dobak, III
Group Art Unit	3739
Examiner Name	Unknown
Attorney Docket Number	051002

U.S. PATENT DOCUMENTS

Examiner Initials ³	Cite No. ⁴	U.S. Patent Document	Name of Patentee or Applicant of Cited Document	Date of Publications of Cited document MM-DD-YYYY	Pages, Column, Lines, Where Relevant Passages or Relevant Figures Appear
BL	6,022,236	Zadno-Azizi et al.	02/08/2000		
BM	6,063,101	Jacobsen et al.	05/16/2000		
BN	6,146,814	Millet	11/14/2000		
BO	6,168,594	Lafontaine et al.	01/02/2001		
BP	6,182,666	Dobak, III	02/06/2001	10	RE
BQ	6,193,644	Dobak, III et al.	02/27/2001	370	RE
BR	6,213,126	Lafontaine et al.	04/10/2001	1	RE
BS	6,217,528	Koblish et al.	04/17/2001	1	RE
BT	6,235,018	Lepivert	05/22/2001	1	RE
BU	6,235,019	Lehmann et al.	05/22/2001	1	RE
BV	6,241,722	Dobak et al.	06/05/2001	10	RE
BW	6,270,494	Kovalcheck et al.	08/07/2001	370	RE
BX	6,290,674	Roue et al.	09/18/2001	1	RE
BY	6,295,990	Lewis et al.	10/02/2001	1	RE
BZ	6,305,378	Lesh	10/23/2001		
CA	6,338,727	Noda et al.	01/15/2002		
CB	6,364,899	Dobak, III	04/02/2002		
CC	6,368,304	Aliberto et al.	04/09/2002		
CD	20010031946	Walker et al.	10/18/2001		
CE	20010047191	Lasersohn et al.	11/29/2001		
CF	20010047192	Lasersohn et al.	11/29/2001		
CG	20020002394	Dobak, III	01/03/2002		
CH	20020007179	Dobak, III et al.	01/17/2002		
CI	20020007202	Dobak, III et al.	01/17/2002		
CJ	20020007203	Gilmartin et al.	01/17/2002		
CK	20020022823	Luo et al.	02/21/2002		
CL	20020026227	Philips	02/28/2002		
CM	20020029016	Pham et al.	03/07/2002		
CN	20020032430	Luo et al.	03/14/2002		
CO	20020032438	Lafontaine	03/14/2002		
CP	20020032474	Dobak, III et al.	03/14/2002		
CQ	20020049409	Noda et al.	04/25/2002		
CR	20020049410	Noda et al.	04/25/2002		

Examiner Signature		Date Considered	5/30/03
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/039,466
(use as many sheets as necessary)				Filing Date	January 3, 2002
Sheet	4	of	4	First Named Inventor	John D. Dobak, III
				Group Art Unit	3739
				Examiner Name	Unknown
				Attorney Docket Number	051002

OTHER PRIOR ART—NON-PATENT LITERATURE DOCUMENTS		
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
RKR	DJ	Colvett, K. T. et al. "Opportunities with Combined Modality Therapy for Selective Organ Preservation in Muscle-Invasive Bladder Cancer," May 1996, <i>Journ. Surg. Oncology</i> 63:202-201.
no date	DK	Dubuc et al. "Catheter cryoablation: a novel technology for ablation of cardiac arrhythmias," abs. 69 th <i>Scientific Sessions</i> , 3259.
	DL	Ducharme et al. "Intracardiac echocardiography monitoring of catheter cryoablation," abs. 71 st <i>Scientific Sessions</i> , 2300.
	DM	Hayes et al. "Temperature control in extracorporeal circulation," Aug. 17, 1968, <i>Brit. Med. J.</i> 2(615):430.
	DN	Mass, C. et al. "Intermittent Antegrade/Selective Cerebral Perfusion during Circulatory Arrest for Repair of the Aortic Arch," 1997, <i>Perfusion</i> , 12:127-132.
	DO	
	DP	
	DQ	
	DR	

Examiner Signature	<i>R. Kenneth Rollins</i>	Date Considered	5/30/03
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Substitute for form 1449B/PTO				Complete if Known	
				Application Number	Not Yet Known
				Filing Date	Herewith
				First Named Inventor	John D. Dobak, III
				Group Art Unit	3737
				Examiner Name	Unknown
Sheet	9	of	12	Attorney Docket Number	051002

OTHER PRIOR ART—NON-PATENT LITERATURE DOCUMENTS		
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
RKL	C1	Lustgarten, Daniel L., et al.; "Cryothermal Ablation: Mechanism of Tissue Injury and Current Experience in the Treatment of Tachyarrhythmias"; Progress in Cardiovascular Diseases; Vol. 41; No. 6; May/June 1999; pp. 481-498
	C2	Ambrus; <i>The Biphasic Nature and Temperature Dependence of the Activation of Human Plasminogen by Urokinase</i> ; 05/1979; pp. 339-347; Research Communications in Chemical Pathology and Pharmacology, Vol. 24, No. 2.
	C3	Arless, S. G., <i>CryoCath Completes a Third Round Private Placement for CDN\$10 Million</i> , April 7, 1999, Kirkland, Quebec, Press Release.
	C4	Arless, S. G., <i>CryoCath Technologies, Inc.</i> , 10/1999, press release.
	C5	Asbach, H. W. et al., <i>The Effects of Extreme Cold on Major Blood Vessels; An Experimental Study</i> (abs.), Urologe A., 05/1975, Vol. 14, No. 3, pp. 150-3.
	C6	ATRIONIX (Palo Alto, CA), <i>AF Ablation and Monitoring</i> , http://www.medicaldata.com/members/MPM/3-2000/0300-3.asp , April 19, 2000.
	C7	Bigelo; <i>Hypothermia, Its Possible Role in Cardiac Surgery</i> ; 11/1959; pp. 849-866; Annals of Surgery, Vol. 132, No. 5.
	C8	Bokeria, A. A. et al., <i>Cryogenic Effect on the coronary Arteries in Animal Experiments</i> (abs.), Biull. Eksp.Biol. Med., 06/1988, Vol. 105, Nov. 6, pp. 741-3.
	C9	Cheatle; <i>Cryostripping the Long and Short Saphenous Veins</i> ; 01/1993; one page; Br. J. Surg., Vol. 80.
not date	C10	CryoCath Technologies Inc.: The hottest new technology in ablation is cold, press brochure, Kirkland, Quebec, Canada.
	C11	CryoCath Technologies, Inc., <i>Affairs of the Heart</i> , The Gazette, Montreal, February 16, 1998.
	C12	Dexter; <i>Blood Warms as It Flows Retrograde from a Femoral Cannulation Site to the Carotid Artery During Cardiopulmonary Bypass</i> ; 11/1994; pp. 393-397; Perfusion, Vol. 9, No. 6.

Examiner Signature	<i>Robert K. Dobak</i>	Date Considered	5/20/03
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				First Named Inventor	John D. Dobak, III
				Group Art Unit	3737
				Examiner Name	Unknown
Sheet	11	of	12	Attorney Docket Number	051002

RKL

	C27	Ladd, A. P. et al. <i>Cryosurgical Effects on Growing Vessels (abs.)</i> , Am Surg. 07/1999, Vol. 65, No. 7, pp. 677-82.	
	C28	Lustgarten, D. L. et al. (1999), <i>Cryothermal Ablation: Mechanism of Tissue Injury and Current Experience in the Treatment of Tachyarrhythmias</i> , 47(6):481-498.	
	C29	Marekovic, Z.; <i>Abstract of Renal Hypothermia in Situ by Venous Passages: Experimental Work on Dogs</i> ; 1980; Eur Urol 6(2); 1 page.	
	C30	Marsland, A. R. et al., <i>Cryogenic Damage to Peripheral Nerves and Blood Vessels in the Rat</i> , Br. J. Anaesth., 06/1983, Vol. 55, No. 6, pp. 555-8.	
	C31	Meden; <i>Effect of Hypothermia and Delayed Thrombolysis in a Rat Embolic Stroke Model</i> ; 12/1993; pp. 91-98; Acta Neurologica Scandinavica.	
	C32	Meden; <i>The Influence of Body Temperature on Infarct Volume and Thrombolytic Therapy in a Rat Embolic Stroke Model</i> ; 02/1994; pp. 131-138; Brain Research, Vol. 647.	
<i>notate</i> →	C33	Milleret, Rene; <i>La cryo-chirurgie danes les varices des membres inferieurs; Anglolegie</i> ; Supplement au no. 110.	
	C34	Milleret; <i>Abstract of Cryosclerosis of the Saphenous Veins in Varicose Reflux in the Obese and Elderly</i> ; 10.1981; one page; Phlebologie, Vol. 34, No. 4.	
	C35	Parkins; <i>Brain Cooling in the Prevention of Brain Damage During Periods of Circulatory Occlusion in Dogs</i> ; 04/1954; pp.284-289; Annals of Surgery, Vol. 140, No. 3.	
	C36	Pham, I. et al., <i>Adenovirus Mediated Atrial Natriuretic Peptide Gene Transfer in Rat Pulmonary Vascular Smooth Muscle Cells Leads to Inhibition of Cell Growth and Apoptosis</i> , Section on: Therapeutic Strategies in Vascular Remodeling, AHA Meeting, November 1998, Dallas, Texas, No. 3544.	
	C37	Piepras; <i>Rapid Active Internal Core Cooling for Induction of Moderate Hypothermia in Head Injury by Use of an Extracorporeal Heat Exchanger</i> , 02/1998; pp. 311-318; Neurosurgery, Vol. 42, No. 2.	
	C38	Plattner, O. et al. <i>Efficacy of Intraoperative Cooling Methods</i> , 1997, Anesthesiology, November, Vol. 87, No. 5, pp. 1089-1095.	
	C39	Rijken; <i>Plasminogen Activation at Low Temperatures in Plasma Samples Containing Therapeutic Concentrations of Tissue-Type Plasminogen Activator or Other Thrombolytic Agents</i> ; 10/1989; pp.47-52; place of publication unknown.	
	C40	Schwartz, A. E. et al.; (1996); <i>Isolated cerebral hypothermia by single carotid artery perfusion of extracorporeally cooled blood in baboons</i> ; Neurosurgery 39(3):577-582.	

Examiner Signature	<i>R. Keren K. Ballen</i>	Date Considered	5/30/03
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Sheet	12	of	12	First Named Inventor	John D. Dobak, III
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				Examiner Name	Unknown
				Attorney Docket Number	051002

RK2	C41	Schwartz; <i>Cerebral Blood Flow during Low-flow Hypothermic Cardiopulmonary Bypass in Baboons</i> ; 06/1994; pp. 959-964; <i>Anesthesiology</i> , Vol. 81, No.4.	
	C42	Schwartz; <i>Selective Cerebral Hypothermia by Means of Transfemoral Internal Carotid Artery Catheterization</i> ; 05/1996; pp.571-572; <i>Radiology</i> , Vol. 201, No. 2.	
	C43	Steen; <i>The Detimental Effects of Prolonged Hypothermia and Rewarming in the Dog</i> ; 08/1979 ;pp. 224-230; <i>Anesthesiology</i> , Vol. 52, No. 3.	
	C44	Tanguay, J.-F., <i>A New Cryotherapy Catheter to Prevent Restenosis (abs.)</i> , 11 th Transcatheter Cardiovascular Therapeutics, 09/1999.	
	C45	Tanguay, J-F et al. <i>A New Cryocatheter Treatment Improves Vascular Remodeling after Angioplasty</i> , presented at AHA, November 1998.	
	C46	Tanguay, J-F et al., <i>A New Cryocatheter Treatment Improves Vascular Remodeling after Angioplasty</i> , Section on Therapeutic Strategies in Vascular Remodeling, AHA Meeting, November 1998, Dallas, Texas, No. 3543.	
	C47	Vandam; <i>Hypothermia</i> ; 09/1959; pp.546-553; <i>The New England Journal of Medicine</i> .	
	C48	White; <i>Cerebral Hypothermia and Circulatory Arrest</i> ; 07/1978; pp.450-458; <i>Mayo Clinic Proceedings</i> , Vol. 53.	
	C49	Yenari; <i>Thrombolysis with Tissue Plasminogen Activator (TPA) is Temperature Dependent</i> ; 07/1994; pp.475-481; <i>Thrombosis Research</i> , vol. 77, No.5.	
	C50	Yoshihara; <i>Changes in Coagulation and Fibrinolysis Occurring in Dogs during Hypothermia</i> ; 08/1984; pp.503-512; <i>Thrombosis Research</i> , Vol. 37, No. 4.	
	C51	Zarins; <i>Circulation in Profound Hypothermia</i> ; 11/1972; pp. 97-104; <i>Journal of Surgical Research</i> , Vol. 14, No. 2.	
Not Date →	C52	Thibault, B., C. Villemaire, M. Talajic, D. Roy, S. Nattel, T. Ki Leung, M. Dubuc, "Catheter Cryoablation is a More Effective and Potentially Safer Method to Create Atrial Conduction Block: Comparison with Radiofrequency Ablation," <i>NASPE Abstracts</i> , April 1998, Part II, PACE, V. 21(620):944.	
Not Date →	C53	Dubuc, M., M. Talajic, D. Roy, B. Thibault, T. Ki Leung, K. Spector, P. L. Friedman, "Catheter Cryoablation: a Novel Technology for Ablation of Cardiac Arrhythmias," <i>Abstracts from the 69th Scientific Sessions</i> , No. 3259, I-357.	
RK2	C54	Ducharme, A., J-C. Tardif, D. Roy, B. Thibault, M. Talajic, M. Dubuc, "Intracardiac Echocardiography Monitoring of Catheter Cryoablation," <i>Abstracts from the 71st Scientific Sessions</i> , No. 2300, I-437.	

Examiner Signature	<i>R. Kenneth Collins</i>	Date Considered	5/30/03
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